CONTENTS

Volume 22, Issue Nos. 1–6

VOLUME 22, ISSUE No. 1 **JANUARY–FEBRUARY 2001**

Unified approach to linear quadratic regulator with time-scale property: H. Singh, R. H. Brown and D. S. Naidu 1

A differential dynamic programming algorithm for differential games: T. B. Trafalis and T. L. Morin 17

Optimal weighting design for distributed parameter systems estimation: M. Ouarit, J.-P. Yvon and J. Henry 37

VOLUME 22, ISSUE No. 2 **MARCH–APRIL 2001**

Minimum-time control of systems with Coulomb friction: near global optima via mixed integer linear programming: B. J. Driessen and N. Sadegh 51

Optimal and sub-optimal control in Dengue epidemics: M. A. L. Caetano and T. Yoneyama 63

Generalized sampled-data hold functions for robust multivariable tracking and disturbance rejection: H. Werner 75

The optimal feedback control of the linear-quadratic control problem with a control inequality constraint: Y. Mao and Z. Liu 95

VOLUME 22, ISSUE No. 3 **MAY–JUNE 2001**

A suboptimal learning control scheme for non-linear systems with time-varying parametric uncertainties: J. X. Xu and Y. Tan 111

Minimum effort dead-beat control of linear servomechanisms with ripple-free response: J. Mošna, J. Melichar and P. Pešek 127

SHORT COMMUNICATIONS

The dynamic efficiency of the Ramsey model with endogenous labour participation rate: J. R. Faria 145

A reduced-order stochastic observer approach to optimal state estimation with noise-free measurements: E. E. Yaz and Y. I. Yaz 151

VOLUME 22, ISSUE No. 4 JULY–AUGUST 2001

Restricted structure control of multiple model systems with Series 2 DOF tracking and feedforward action: M. J. Grimble 157

SHORT COMMUNICATION

On the discontinuity of the costates for optimal control problems with Coulomb friction: B. J. Driessen and N. Sadegh 197

Special Issue: Economic Applications of Optimal Control
Guest Editors: G. Feichtinger, R. F. Hartl and P. M. Kort

VOLUME 22, ISSUE No. 5/6 SEPTEMBER–DECEMBER 2001

Editorial 201

Optimal sequence of landfills in solid waste management: F. J. A. Garcia and E. C. Tena 205

Using distributed optimal control in economics: A numerical approach based on the finite element method: E. C. Calzada and R.-U. Goetz 231

Dynamic optimization and Skiba sets in economic examples: W.-J. Beyn, T. Pampel and W. Semmler 251

Local stability in endogenous growth models: M. P. Martinez-Garcia 281

Solving dynamic macroeconomic policy games using the algorithm OPTGAME 1.0: M. Hager, R. Neck and D. A. Behrens 301

Near optimization of stochastic dynamic systems by decomposition and aggregation: S. P. Sethi and Q. Zhang 333

AUTHOR INDEX 351

KEYWORD INDEX 353

VOLUME CONTENTS iii